	Application No.	Applicant(s)
Notice of Allowability	10/735,691	SATOH, NOBUYUKI
	Examiner	Art Unit
	Hai C. Pham	2861
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet with the of (OR REMAINS) CLOSED in this ago or other appropriate communication IGHTS. This application is subject 3 and MPEP 1308.	correspondence address oplication. If not included n will be mailed in due course. THIS
2. The allowed claim(s) is/are 2,5-7,12 and 15-17.		
 Acknowledgment is made of a claim for foreign priority unas a) All b) Some* c) None of the: None of the: Certified copies of the priority documents have a copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the certified copies of the priority documents have a copies of the certified copies of the certified copies of the priority documents have a copies. 	e been received. e been received in Application No cuments have been received in this	national stage application from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	MENT of this application.	
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) I including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
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Attachment(s)		
1. Notice of References Cited (PTO-892)	5. Notice of Informal	• • • • • • • • • • • • • • • • • • • •
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summar Paper No./Mail Da	
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. 🛭 Examiner's Amend	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. Examiner's Statem 9. Other	ent of Reasons for Allowance
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EXAMINER'S AMENDMENT

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1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

The application has been amended as follows:

submitted no later than the payment of the issue fee.

IN THE CLAIMS:

Claim 6:

• Line 13, changed "a" before "two-dimensional" to --the--.

Claim 7:

• Line 13, changed "a" before "two-dimensional" to --the--.

NOTE: The above amendment to claims 6 and 7 only corrects a minor informality so as to indicate that the two-dimensional image sensor is being the same image sensor that has been recited earlier at line 5 within the respective claims.

2. The following is an examiner's statement of reasons for allowance: None of the prior art of record teaches the misalignment detector as recited in claims 6-7 and 16-17, that uses an adder unit that adds up image data of a two-dimensional image sensor in any one of the main scanning direction and the secondary scanning direction, the two-dimensional image sensor being configured to read a position detection pattern formed

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on the image carrier, as well as the peak-position detector that detects a peak position in one-dimensional data that is output by the adding unit, so as to detect a misalignment of the image formed by a plurality of laser beams, and wherein the misalignment detector further includes a synthesizing unit to refract the input light from a light source and to pass the light so as to illuminate the position detection pattern, and to collect and to reflect the light reflected from the position detection pattern, and a focusing unit that focuses the light reflected from the synthesizing unit on the image sensor.

Claims 2, 5, 12 and 15 are allowed because they are directly dependent from claims 6 and 16 above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai C. Pham whose telephone number is (571) 272-2260. The examiner can normally be reached on M-F 8:30AM - 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen D. Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

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Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HAI PHAM PRIMARY EXAMINER

Hairlithan

November 13, 2006